

Title (en)

FIBRE-REINFORCED MOULDINGS MADE FROM EXPANDED PARTICLE FOAM

Title (de)

FASERVERSTÄRKTE FORMKÖRPER AUS EXPANDIERTEM PARTIKELSCHAUM

Title (fr)

ÉLÉMENTS MOULÉS RENFORCÉS À L'AIDE DE FIBRES EN MOUSSE PARTICULAIRE EXPANSÉE

Publication

EP 3237510 C0 20230726 (DE)

Application

EP 15813778 A 20151215

Priority

- EP 14199626 A 20141222
- EP 2015079808 W 20151215

Abstract (en)

[origin: WO2016102246A1] The present invention relates to a molded body made of an expanded particle foam material, at least one fiber (F) being located partly within the molded body, i.e. being surrounded by the expanded particle foam material. The two ends of the respective fiber (F) which are not surrounded by the expanded particle foam material thus protrude on one side of the corresponding molded body. The invention also relates to a panel which comprises at least one such molded body and at least one additional layer (S1). The invention further relates to methods for the production of the molded bodies from expanded particle foam material or of the panels according to the invention and to the use thereof, for example as rotor blades in wind turbines.

IPC 8 full level

C08J 9/36 (2006.01); **B29C 44/56** (2006.01); **B32B 5/18** (2006.01); **B32B 5/24** (2006.01); **B32B 7/08** (2019.01); **C08J 9/00** (2006.01); **C08J 9/12** (2006.01); **C08J 9/14** (2006.01); **C08J 9/16** (2006.01); **C08J 9/232** (2006.01)

CPC (source: CN EP US)

B29B 9/065 (2013.01 - US); **B29B 9/12** (2013.01 - EP); **B29C 44/3461** (2013.01 - EP US); **B29C 44/56** (2013.01 - CN); **B29C 48/0012** (2019.01 - EP US); **B29C 48/92** (2019.01 - EP US); **B32B 5/022** (2013.01 - EP US); **B32B 5/024** (2013.01 - EP US); **B32B 5/026** (2013.01 - US); **B32B 5/028** (2013.01 - US); **B32B 5/08** (2013.01 - EP US); **B32B 5/18** (2013.01 - CN EP US); **B32B 5/20** (2013.01 - EP US); **B32B 5/24** (2013.01 - CN); **B32B 5/245** (2013.01 - EP US); **B32B 7/08** (2013.01 - CN); **B32B 27/065** (2013.01 - EP US); **C08J 9/0061** (2013.01 - CN EP US); **C08J 9/0085** (2013.01 - US); **C08J 9/122** (2013.01 - CN EP US); **C08J 9/127** (2013.01 - CN US); **C08J 9/141** (2013.01 - CN EP US); **C08J 9/16** (2013.01 - CN EP US); **C08J 9/232** (2013.01 - CN EP US); **C08J 9/36** (2013.01 - CN EP US); **B29B 9/065** (2013.01 - EP); **B29C 44/352** (2013.01 - EP US); **B29C 44/569** (2013.01 - EP US); **B29K 2105/12** (2013.01 - EP US); **B29L 2009/00** (2013.01 - EP US); **B29L 2031/08** (2013.01 - EP US); **B32B 2260/021** (2013.01 - EP US); **B32B 2260/046** (2013.01 - EP US); **B32B 2262/0269** (2013.01 - EP US); **B32B 2262/065** (2013.01 - EP US); **B32B 2262/101** (2013.01 - EP US); **B32B 2262/103** (2013.01 - EP US); **B32B 2262/105** (2013.01 - EP US); **B32B 2262/106** (2013.01 - EP US); **B32B 2262/14** (2013.01 - EP US); **B32B 2266/0214** (2013.01 - EP US); **B32B 2266/0228** (2013.01 - EP US); **B32B 2266/025** (2013.01 - EP US); **B32B 2266/0264** (2013.01 - EP US); **B32B 2266/0292** (2013.01 - EP US); **B32B 2266/08** (2013.01 - EP US); **B32B 2307/542** (2013.01 - EP US); **B32B 2307/546** (2013.01 - EP US); **B32B 2307/581** (2013.01 - EP US); **B32B 2307/584** (2013.01 - EP US); **B32B 2307/706** (2013.01 - EP US); **B32B 2307/718** (2013.01 - EP US); **B32B 2307/732** (2013.01 - EP US); **B32B 2603/00** (2013.01 - EP US); **B32B 2605/00** (2013.01 - EP US); **B32B 2607/00** (2013.01 - EP US); **C08J 2201/03** (2013.01 - CN EP US); **C08J 2201/034** (2013.01 - CN EP US); **C08J 2203/06** (2013.01 - CN EP US); **C08J 2203/14** (2013.01 - CN EP US); **C08J 2203/202** (2013.01 - CN EP US); **C08J 2207/00** (2013.01 - CN US); **C08J 2300/16** (2013.01 - CN US); **C08J 2323/06** (2013.01 - CN US); **C08J 2323/12** (2013.01 - CN US); **C08J 2325/06** (2013.01 - CN EP US); **C08J 2325/08** (2013.01 - CN US); **C08J 2325/10** (2013.01 - CN US); **C08J 2325/12** (2013.01 - CN US); **C08J 2325/14** (2013.01 - CN US); **C08J 2327/16** (2013.01 - CN US); **C08J 2333/00** (2013.01 - CN US); **C08J 2367/04** (2013.01 - CN US); **C08J 2369/00** (2013.01 - CN US); **C08J 2371/10** (2013.01 - US); **C08J 2371/12** (2013.01 - CN EP US); **C08J 2377/00** (2013.01 - CN US); **C08J 2379/08** (2013.01 - CN US); **C08J 2381/06** (2013.01 - CN US); **C08J 2425/06** (2013.01 - EP US); **C08J 2471/10** (2013.01 - US); **C08J 2471/12** (2013.01 - CN EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

WO 2016102246 A1 20160630; CN 107278217 A 20171020; CN 107278217 B 20210409; EP 3237510 A1 20171101; EP 3237510 B1 20230726; EP 3237510 C0 20230726; US 2018009960 A1 20180111

DOCDB simple family (application)

EP 2015079808 W 20151215; CN 201580076656 A 20151215; EP 15813778 A 20151215; US 201515538723 A 20151215